

Title (en)

Arrangement and method for generating a corona discharge

Title (de)

Anordnung und Verfahren zur Erzeugung einer Koronaentladung

Title (fr)

Dispositif et méthode pour produire une décharge Corona

Publication

EP 1624546 A1 20060208 (DE)

Application

EP 05016556 A 20050729

Priority

DE 102004037756 A 20040804

Abstract (en)

The DC source (1) for the corona discharge has an AC supply with a step-up transformer (2) followed by a rectifier bridge (3). The AC supply may be at 400 V 50 Hertz. The rectifier terminals (G1,G2) are connected via a capacitor (C3). Two electronic switches (S1,S2) in series are connected across the rectifier terminals and are connected to a control circuit (4). Connecting lines (A,C) are connected to the rectifier terminals and a third line (B) is connected to the midpoint (V) between the switches. A first corona discharge system (5) has electrodes (E1,E2) connected to the second and third lines. The electrode arrangement (E) incorporates a resistor (RE) and a capacitor (CE).

IPC 8 full level

H01T 19/00 (2006.01); **C01B 13/11** (2006.01)

CPC (source: EP)

H01T 19/00 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1624546 A1 20060208; EP 1624546 B1 20070328; AT E358348 T1 20070415; DE 102004037756 A1 20060223; DE 502005000519 D1 20070510; DK 1624546 T3 20070730

DOCDB simple family (application)

EP 05016556 A 20050729; AT 05016556 T 20050729; DE 102004037756 A 20040804; DE 502005000519 T 20050729; DK 05016556 T 20050729